

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630140

Luminaire Tested: GWS-SA1D-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2801.4 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

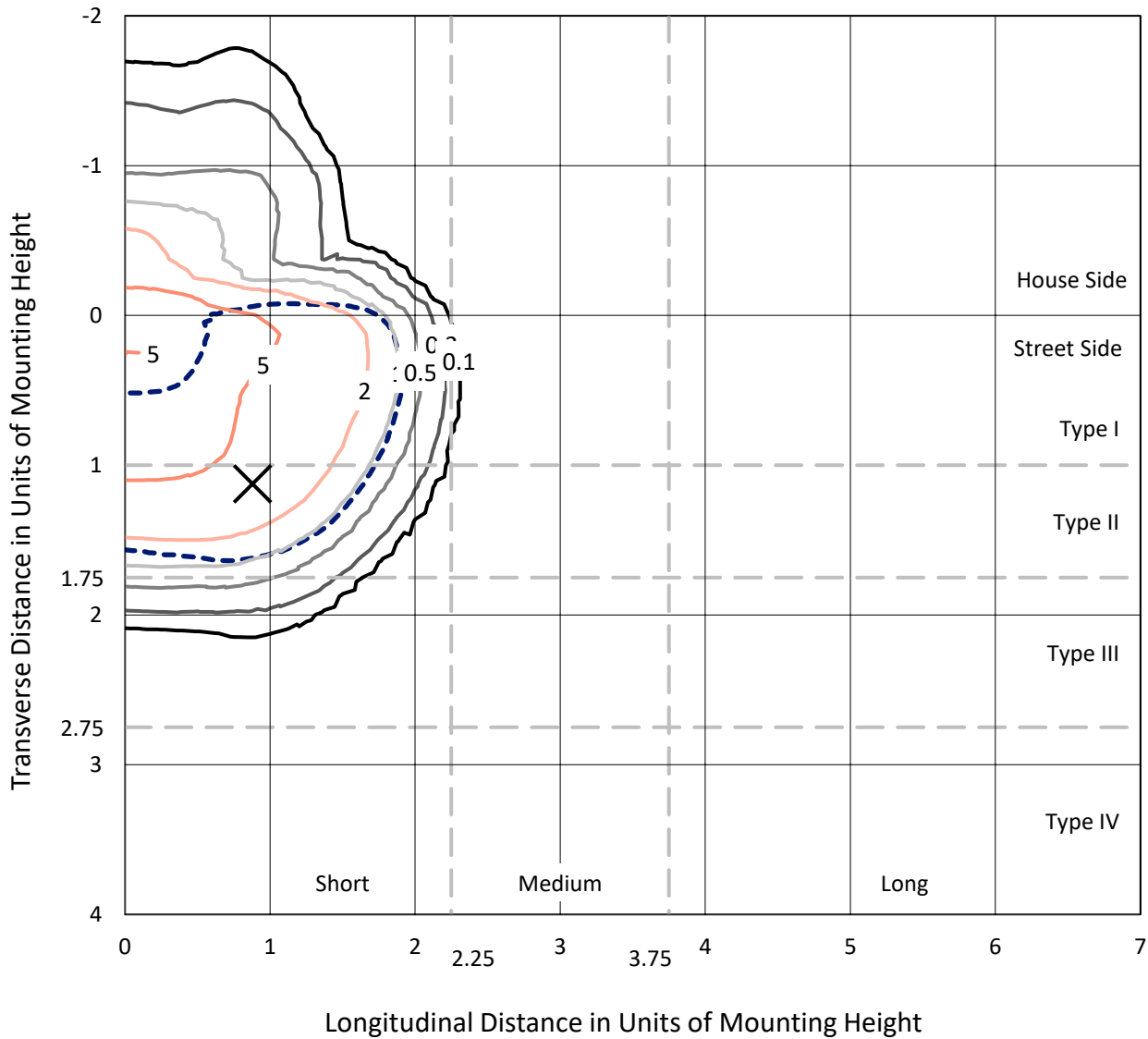
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

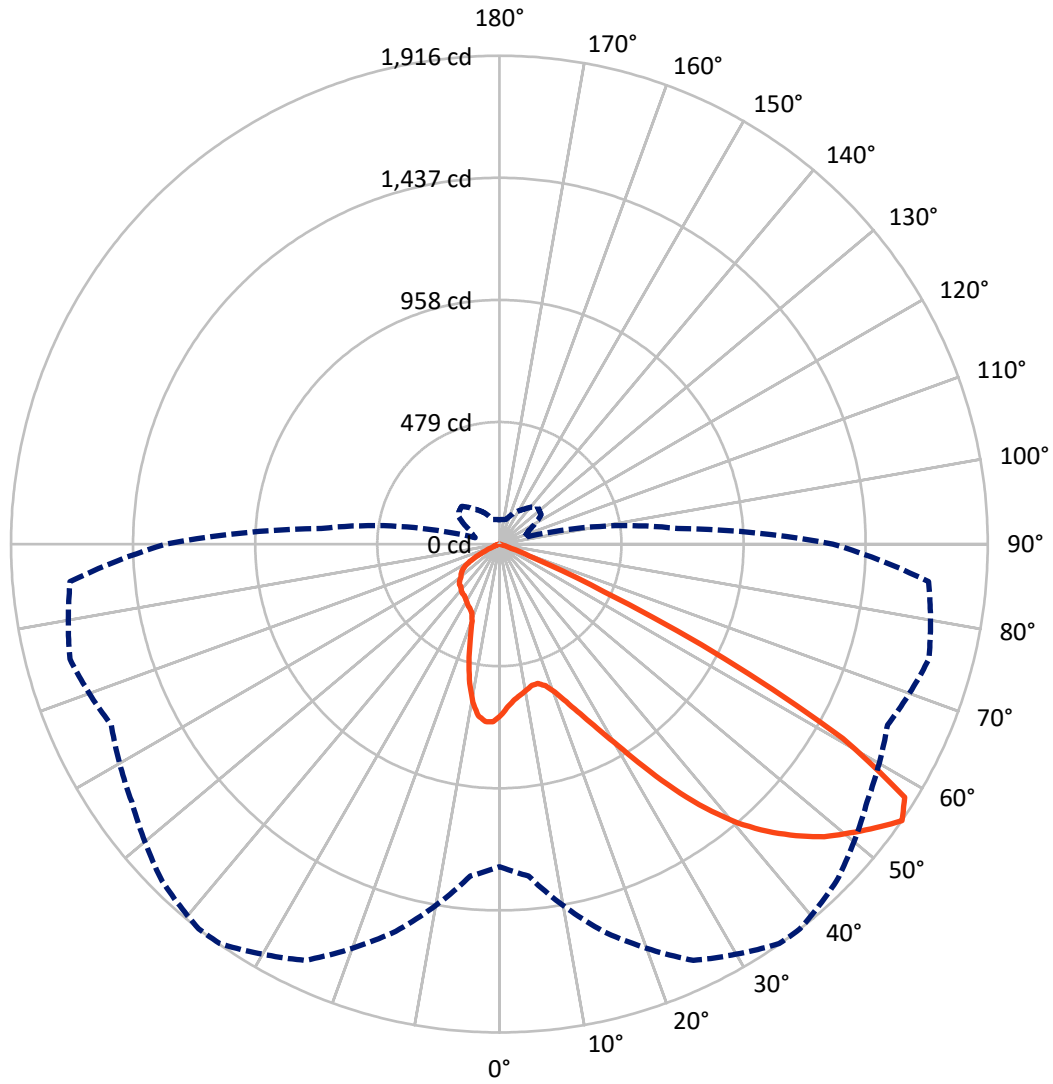
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	545.8	0.0	545.8
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	2255.6	0.0	2255.6
	% Fixture	80.5	0.0	80.5
Total	Lumens	2801.4	0.0	2801.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	2.2
10°-20°	167.2	6.0
20°-30°	287.0	10.2
30°-40°	476.0	17.0
40°-50°	699.7	25.0
50°-60°	817.6	29.2
60°-70°	277.1	9.9
70°-80°	14.2	0.5
80°-90°	0.6	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2801.4	100.0
0°-180°	2801.4	100.0

Coefficient of Utilization

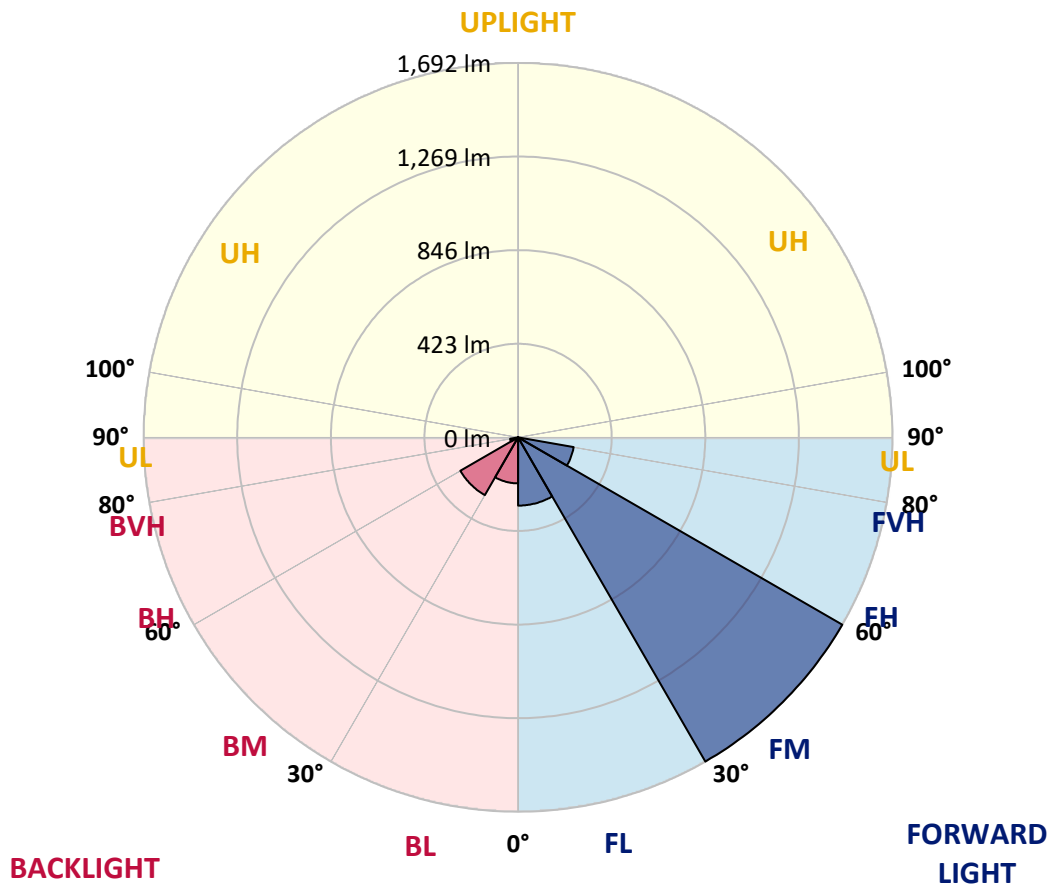


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.4	11.0			
FM (30°-60°)	1692.0	60.4			
FH (60°-80°)	255.0	9.1			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	207.9	7.4	B1/500		
BM (30°-60°)	301.3	10.8	B1/1000		
BH (60°-80°)	36.3	1.3	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	671.8	671.8	671.8	671.8	671.8	671.8	671.8	671.8	671.8	671.8	671.8
2.5°	625.7	624.4	627.0	632.1	636.9	638.5	643.3	650.0	654.2	664.1	672.1
5°	597.5	596.9	599.4	603.9	610.3	612.6	619.9	631.1	642.3	659.6	676.6
7.5°	571.9	571.6	575.4	585.3	594.6	597.5	606.5	620.2	635.3	661.9	686.8
10°	538.3	538.6	546.0	560.0	577.0	582.8	597.2	617.0	636.6	670.8	705.4
12.5°	527.4	528.0	531.9	542.8	561.3	568.7	588.9	619.0	643.9	683.6	729.4
15°	554.0	554.0	550.8	552.0	560.4	567.1	588.2	625.4	656.4	699.0	753.1
17.5°	605.5	603.6	595.6	584.7	581.8	584.1	601.0	639.1	674.0	716.9	780.0
20°	675.3	676.0	660.3	637.5	619.3	619.0	629.2	663.5	699.3	738.4	809.2
22.5°	759.9	757.3	736.5	705.4	673.7	671.2	675.3	700.6	735.8	772.3	845.0
25°	857.8	856.6	827.1	785.5	743.5	737.4	737.4	762.4	788.0	820.7	887.9
27.5°	960.3	960.3	931.8	883.8	828.1	817.2	815.6	845.0	862.0	868.4	924.1
30°	1065.7	1064.4	1036.2	986.9	927.3	916.1	911.6	933.4	945.6	926.4	969.3
32.5°	1172.6	1174.8	1146.3	1100.6	1047.4	1040.0	1026.3	1026.3	1036.2	1009.3	1040.4
35°	1287.6	1286.9	1264.5	1233.4	1188.0	1179.6	1156.9	1121.4	1136.4	1124.6	1138.7
37.5°	1389.1	1393.9	1383.0	1359.9	1323.1	1314.8	1277.3	1212.9	1224.5	1243.0	1255.5
40°	1492.2	1496.0	1506.9	1499.5	1453.1	1437.7	1371.1	1265.5	1278.3	1342.0	1377.9
42.5°	1593.4	1595.3	1617.4	1629.5	1567.4	1540.5	1442.2	1297.5	1310.9	1419.5	1482.2
45°	1657.7	1661.9	1698.4	1735.5	1668.3	1631.5	1504.0	1338.5	1344.2	1473.3	1559.4
47.5°	1655.2	1664.8	1733.3	1800.9	1755.1	1715.4	1578.3	1404.1	1394.5	1523.9	1610.3
50°	1603.6	1615.1	1713.4	1820.7	1817.5	1780.7	1660.9	1499.2	1469.1	1568.7	1616.7
52.5°	1496.7	1530.0	1678.5	1823.3	1867.8	1849.2	1763.1	1627.3	1570.0	1633.1	1627.0
55°	1265.5	1306.5	1572.5	1801.5	1913.2	1915.5	1870.3	1760.8	1679.5	1743.9	1690.1
57.5°	960.6	993.3	1210.4	1603.6	1838.0	1874.8	1912.0	1831.3	1747.1	1819.4	1704.8
60°	578.9	616.7	757.9	1176.8	1484.5	1547.2	1692.9	1677.3	1575.7	1606.8	1398.0
62.5°	234.7	254.6	350.0	648.4	934.4	993.0	1132.6	1156.3	1131.3	1099.6	847.9
65°	85.8	93.8	140.3	268.0	429.7	451.2	524.8	566.8	601.4	512.0	315.4
67.5°	53.2	58.3	91.3	137.7	156.3	145.4	147.9	176.4	168.4	104.1	56.4
70°	39.4	43.5	71.4	95.4	63.1	48.7	33.0	35.2	31.7	27.9	27.5
72.5°	27.2	31.1	53.5	56.4	24.3	17.3	12.2	17.0	19.2	18.9	19.5
75°	17.9	20.8	33.6	22.1	6.1	4.8	4.2	9.0	11.5	11.5	11.8
77.5°	10.6	12.2	11.8	4.5	1.3	1.3	1.0	1.6	2.6	2.9	3.5
80°	1.3	1.0	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.0	1.0
82.5°	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.0
85°	0.0	0.0	0.3	0.3	0.6	0.6	0.6	0.6	0.6	1.0	1.0
87.5°	0.0	0.0	0.3	0.3	0.6	0.6	0.6	0.6	0.6	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	671.8	671.8	671.8	671.8	671.8	671.8	671.8	671.8	671.8	671.8	671.8
2.5°	678.2	676.0	685.2	692.0	697.4	700.0	696.5	696.1	696.1	689.1	687.2
5°	686.2	687.2	700.3	706.1	707.0	703.8	695.8	690.4	687.2	679.8	675.6
7.5°	701.6	704.8	717.3	716.3	707.7	692.9	671.8	655.5	644.9	633.4	626.3
10°	723.7	729.8	737.4	724.0	696.5	659.0	615.4	584.4	565.8	552.7	544.7
12.5°	750.6	756.7	754.1	722.4	665.1	598.1	542.1	497.3	475.8	464.0	455.7
15°	777.8	781.6	765.0	703.2	609.7	519.7	457.3	412.7	386.5	376.9	369.8
17.5°	805.6	804.7	766.9	665.4	535.7	431.3	369.8	339.4	332.1	330.5	329.8
20°	834.8	826.1	759.2	611.3	446.7	343.9	309.0	310.9	324.4	330.8	332.1
22.5°	868.1	846.3	740.0	538.0	355.8	286.6	290.1	309.0	327.3	335.9	337.2
25°	903.6	864.9	708.0	443.8	280.5	263.5	284.3	306.1	325.7	336.2	337.5
27.5°	927.0	869.4	655.5	349.0	240.8	254.6	276.7	297.5	317.6	329.2	330.8
30°	952.3	867.4	584.1	269.0	227.3	246.9	266.1	285.0	303.6	316.4	317.6
32.5°	989.4	866.2	497.0	218.4	221.9	240.8	254.9	270.6	283.4	290.7	289.8
35°	1038.1	864.6	395.5	196.9	218.7	236.0	247.2	254.6	240.5	236.0	237.0
37.5°	1100.6	868.4	310.0	188.0	217.7	234.7	244.3	223.2	201.4	193.1	191.8
40°	1169.7	878.3	236.3	184.4	220.9	237.9	233.4	198.5	171.6	155.3	151.8
42.5°	1239.2	889.2	187.0	183.2	226.4	246.9	215.5	180.6	140.3	131.0	129.7
45°	1290.8	887.3	161.7	180.9	231.2	252.0	210.7	155.0	125.2	121.0	121.4
47.5°	1316.7	866.2	147.9	175.8	233.1	246.9	198.8	144.4	115.0	119.4	123.3
50°	1302.9	811.4	135.1	165.9	228.9	240.2	180.0	136.4	109.8	128.4	137.0
52.5°	1286.3	744.2	121.0	150.5	219.0	230.9	172.6	134.2	106.6	123.9	130.3
55°	1308.4	701.6	98.0	126.8	199.5	209.1	166.8	133.8	99.3	96.4	95.4
57.5°	1277.3	616.7	70.1	91.3	153.1	165.5	162.7	131.6	88.1	87.7	89.0
60°	987.2	376.2	48.0	58.0	93.8	105.7	147.6	125.8	75.9	69.8	70.1
62.5°	561.0	160.1	33.0	35.9	48.0	57.0	112.7	114.3	70.1	66.6	70.1
65°	195.3	57.3	25.6	24.0	26.6	30.4	64.7	88.4	63.7	57.6	58.3
67.5°	40.3	28.5	22.7	19.9	19.9	19.9	33.0	55.1	52.5	45.8	46.4
70°	25.6	24.3	19.9	17.0	16.3	15.0	18.9	30.4	36.2	33.3	33.6
72.5°	18.9	18.6	15.7	13.8	12.2	10.9	11.8	15.0	18.6	19.2	19.5
75°	11.5	11.8	10.2	8.6	7.7	6.7	7.0	7.0	7.0	6.4	7.0
77.5°	3.5	3.8	3.2	2.6	2.2	2.2	2.2	1.9	1.6	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.3	0.3	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	0.6	0.6	0.3	0.3	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	0.6	0.6	0.3	0.3	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	0.6	0.6	0.3	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)